**Exercise 11.13 – HTML List from a Database Query Result**

* **Developer Defined Functions**
	+ **outputGenres() – calls outputSingleGenre()**
	+ **outputSingleGenre($row) – calls constructGenreLink()**
	+ **constructGenreLink($id, $label)**
* **How to run the program**
	+ [**http://localhost/lab11/lab11-exercise13.php**](http://localhost/lab11/lab11-exercise13.php)

<?php

//config.php - lab11-exercise08-mysqli.php

define('DBHOST', 'localhost');

define('DBNAME', 'art');

define('DBUSER', 'testuser');

define('DBPASS', 'secret');

define('DBCONNSTRING','mysql:host=localhost;dbname=art');

?>

//lab11-exercise13.php

<?php

require\_once('config.php');

/\*

 Displays a list of genres

\*/

function outputGenres() {

 try {

 $pdo = new PDO(DBCONNSTRING,DBUSER,DBPASS);

 $pdo->setAttribute(PDO::ATTR\_ERRMODE, PDO::ERRMODE\_EXCEPTION);

 $sql = 'select GenreId, GenreName, Description from Genres Order By Era';

 $result = $pdo->query($sql);

 while ($row = $result->fetch()) {

 outputSingleGenre($row);

 }

 $pdo = null;

 }

 catch (PDOException $e) {

 die( $e->getMessage() );

 }

}

/\*

 Displays a single genre

\*/

function outputSingleGenre($row) {

 echo '<div class="col-md-3">';

 echo '<div class="thumbnail">';

 $img = '<img src="images/art/genres/square-medium/' . $row['GenreId'] .'.jpg">';

 echo constructGenreLink($row['GenreId'], $img);

 echo '<div class="caption">';

 echo '<h4>';

 echo constructGenreLink($row['GenreId'], $row['GenreName']);

 echo '</h4>';

 echo '</div>';

 echo '</div>';

 echo '</div>';

}

/\*

 Constructs a link given the genre id and a label (which could

 be a name or even an image tag

\*/

function constructGenreLink($id, $label) {

 $link = '<a href="genre.php?id=' . $id . '">';

 $link .= $label;

 $link .= '</a>';

 return $link;

}

?>

<!DOCTYPE html>

<html>

 <head>

 <meta charset="utf-8">

 <meta name="viewport" content="width=device-width, initial-scale=1.0">

 <title>Chapter 11</title>

 <!-- Bootstrap core CSS -->

 <link href="bootstrap3\_defaultTheme/dist/css/bootstrap.css" rel="stylesheet">

 </head>

<body>

<div class="well"><h1>List of Links (pdo)</h1></div>

<div class="container">

 <div class="row">

 <?php outputGenres(); ?>

 </div>

</div>

</body>

</html>

